

Special Topics In Science Education Research

EDITORS

Prof. Dr. İlbilge DÖKME
Doç. Dr. Semra BENZER

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Editors

Prof. Dr. İlbilge DÖKME

Doç. Dr. Semra BENZER

Publishing Coordinator

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Tel: 0312 431 16 33

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PREFACE

Special Topics In Science Education Research is written for applied researchers of science education. The aim of these chapter studies was to foster existing and scientific discussion as well as to provide a forum for the exchange of ideas and experience between specialists in the fields of science education.

Special Topics In Science Education Research is organized into ten (10) distinct sections that provide comprehensive coverage of important topics. The sections are: (1) A Two-Phased Conceptual Test to Help Reveal the Misconceptions About the Topic of “Work”, (2) Adaptation of the Teacher Attitudes Towards Self-Regulated Learning Scale to Turkish, (3) Comparison of Students At Eco-Schools, Eco-Schools With Green Flag and Ordinary Primary Schools in Terms of Environmental Literacy, (4) Developing Some Character and Values for Preservice Biology Teachers With a Socioscientific Program, (5) Educational Studies About Evolution in Turkey: A Thematic Review of the Literature, (6) Examination of Higher Order Thinking Skills in Biology Education, (7) Factors Affecting the Motivation Levels of Secondary School Students for Science Learning, (8) Investigation of the Effects of Stem Education Approach on Secondary School Students’ Attitude Towards Science, Interest in STEM Professions and Scientific Process Skills, (9) The Effects of Prediction-Observation-Explanation and Concept Cartoon Methods on the Students’ Academic Achievement and Attitudes, (10) The Views of Science and Technology Teachers Over the Effect of Constructivist Educational Approaches on Students.

All contributed chapters were rigorously reviewed. The organized sections were inspected by plagiarism checker software.

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